

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Toru FUTAMI, et al.

SERIAL NO: NEW APPLICATION

GAU:

FILED: HEREWITH

EXAMINER:

FOR: FINE CHANNEL DEVICE AND A CHEMICALLY OPERATING METHOD FOR FLUID USING THE DEVICE

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

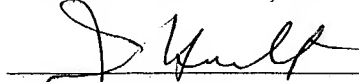
- ☐ Each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.



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22850

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 240108US3		SERIAL NO. NEW APPLICATION	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Toru FUTAMI, et al.			
				FILING DATE HEREWITH		GROUP	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES                      NO		
	AN	2002-1102	01/08/02	Japan (with English Abstract)		x	
	AO	10-507962	08/04/98	Japan (with English Abstract) (WO 96/12541)		x	
	AP						
	AQ						
	AR						
<b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AS	H. HISAMOTO, et al., "Fast and High Conversion Phase-Transfer Synthesis Exploiting the Liquid-Liquid Interface Formed in a Microchannel Chip", CHEM. COMMUN., 2001, pgs. 2662-2663					
	AT	Y. SHIMIZU, et al., "Formation of a Partition Film of Copolymer in a Microchannel", 3 <sup>rd</sup> CHEMICAL AND MICROSYSTEM SOCIETY, 2001, page 11					
	AU	Y. SHIMIZU, et al., "Formation and Application of a Structure of Copolymer Film in Microchannel", 5 <sup>th</sup> CHEMICAL AND MICROSYSTEM SOCIETY, 2002, page 37					
	AV	A. HIBARA, et al., "Development in the Formation of Three-dimensionally Crossing Multilayer Streams", 3 <sup>rd</sup> CHEMICAL AND MICROSYSTEM SOCIETY, 2001, page 55					
	AW	T. FUJII, et al., "Integrated Microchips for Biochemical Reaction", Vol. 20, 2001, pgs. 99-105					
	AX						
	AY						
	AZ					<input type="checkbox"/> Additional References sheet(s) attached.	
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

DOCKET NO: 240108US3

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SERIAL NO: New Application

FILED: Herewith

FOR: FINE CHANNEL DEVICE AND A CHEMICALLY OPERATING METHOD FOR  
FLUID USING THE DEVICE

**STATEMENT OF RELEVANCY**

**References AN (JP 2002-1102) and AO (JP 10-507962) on Form PTO- 1449:**

These references are discussed in the specification.

**References AS through AW on Form PTO- 1449:**

These references are discussed in the specification.